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मानक

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IS 5876 (2008): Shipbuilding - Hopper Scuppers [TED 17: Shipbuilding]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक
पोत निर्माण — हापर सकपर्स
(पहला पुनरीक्षण)

Indian Standard
SHIPBUILDING — HOPPER SCUPPERS
(*First Revision*)

ICS 47.020.30

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BUREAU OF INDIAN STANDARDS
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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Shipbuilding Sectional Committee had been approved by the Transport Engineering Division Council.

This standard was first published in 1970. The present revision has been undertaken to align with present practices. In this revised standard, number of dimensions have been changed to suit the present practices.

Scuppers sufficient in number and size are provided on all decks of ships to provide effective drainage. Hopper scuppers are suitable for intermediate decks where drainage pipes from the decks above lead into hopper scuppers. Hopper scuppers shall comply with statutory requirement and classification society rules as applicable.

This standard is one of a series of Indian Standards on scuppers. Other standard in the series is :

IS 5875 : 1970 Specification for open-deck scuppers.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

SHIPBUILDING — HOPPER SCUPPERS

(First Revision)

1 SCOPE

This standard specifies the material and dimensions for hopper scuppers used for drainage on board ships.

2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
2073 : 1970	Carbon steel black bars for production of machined parts for general engineering purposes (<i>first revision</i>)
2102 (Part 1) : 1993	General tolerances: Part 1 Tolerances for linear and angular dimensions without individual tolerance indications (<i>third revision</i>)
3039 : 1988	Structural steel for construction of hulls of ships (<i>second revision</i>)
3525 : 1998	Metal arc welding for hull constructions of merchant ships in carbon and carbonmanganese steels (<i>second revision</i>)
7283 : 1992	Hot rolled bars for production of bright bars and machined parts for engineering applications (<i>first revision</i>)

3 REQUIREMENTS

3.1 The hopper scuppers shall be constructed as shown in Fig. 1.

3.2 Hopper scuppers may also be provided with portable grating, if required by the purchaser.

4 MATERIAL

4.1 The material used in the construction of hopper scuppers shall be as given below:

<i>Name of Part</i>	<i>Material</i>	<i>Relevant Indian Standard</i>
Hopper	Shipbuilding quality steel	IS 3039
Grating bars	Steel	IS 2073

5 DIMENSIONS

The dimensions of hopper scuppers shall be as shown in Fig. 1.

6 TOLERANCES

6.1 The tolerances on the machine parts shall be of the coarse series according to IS 2102 (Part 1).

7 DESIGNATION

The hopper scuppers shall be designated by the title and the number of this standard.

Example:

Hopper Scupper IS 5876.

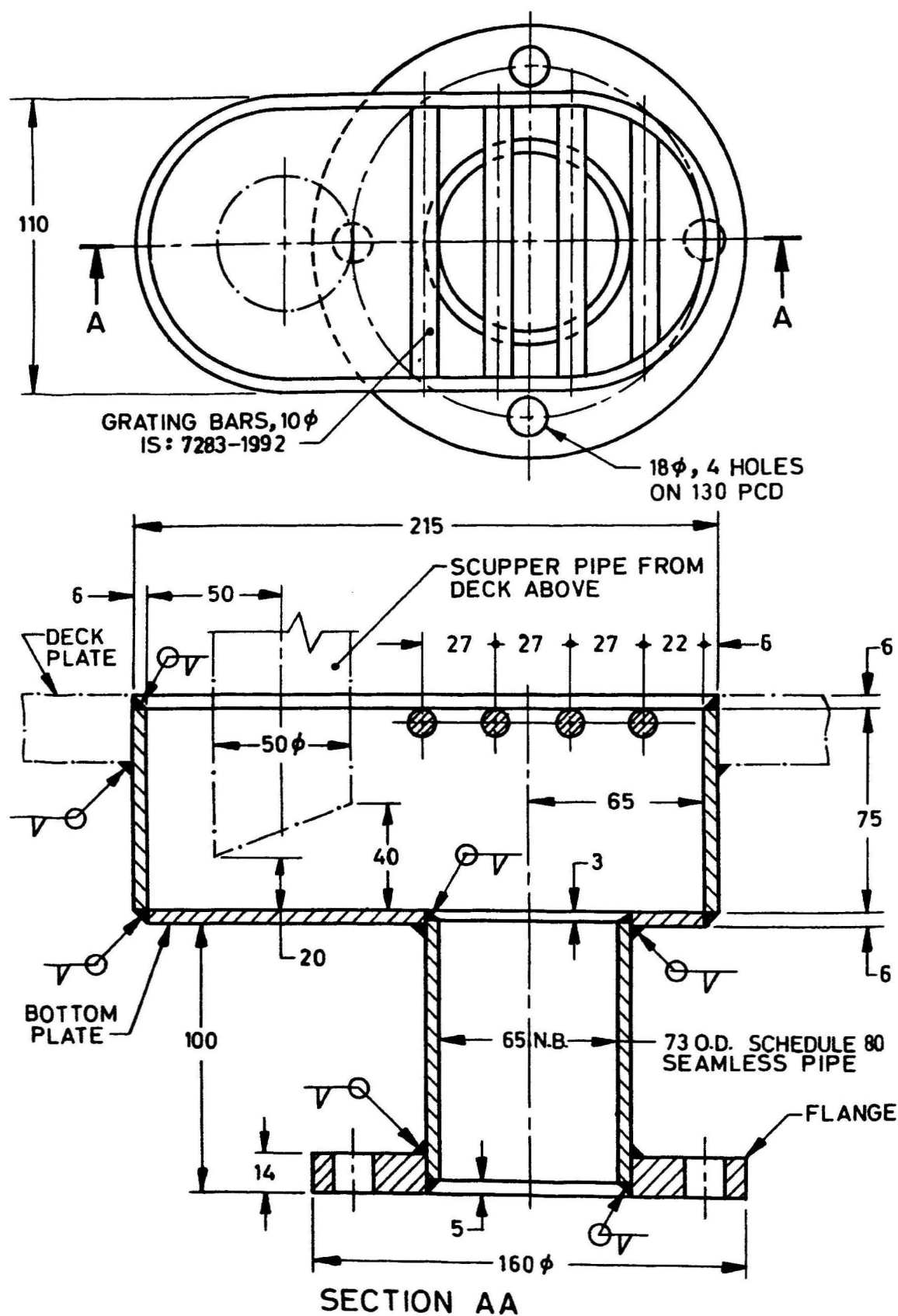
8 WELDING

Welding, in general, shall be according to the relevant Indian Standards, and in particular, conform to IS 3525.

9 MARKING

The product may also be marked with the Standard Mark.

9.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR HOPPER SCUPPER

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Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

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Amendments Issued Since Publication

Amendment No.	Date of Issue	Text Affected

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